BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work :-Improvements & Asphalting to road Kempegowda nagara 1st, 2nd, 3rd, 4th & 5th cross road in Dasarahalli Ward No 15

			Est. Cost Rs				19.90	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-2. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.152/I.19.2 PW, P & IWTD - SR 2013-14)	Cum							
	UGD Trench Cutting								
	1st cross		1	130.00	1.00	0.30	39.00		
	2nd cross		1	100.00	1.00	0.30	30.00		
	3rd cross		1	100.00	1.00	0.30	30.00		
	4th cross		1	165.00	1.00	0.30	49.50		
	Cross roads		1	200.00	1.00	0.30	60.00		
	Desilting of Drains								
	1st cross		2	130.00	0.60	$\frac{0.2+0.4}{2}$	46.80		
	2nd cross		2	100.00	0.60	$\frac{0.2+0.4}{2}$	36.00		
	3rd cross		2	100.00	0.60	$\frac{0.2+0.4}{2}$	36.00		
	4th cross		2	165.00	0.60	$\frac{0.2+0.4}{2}$	59.40		
	Cross roads		2	200.00	0.60	$\frac{0.2+0.4}{2}$	72.00		
							458.70	90.72	**41613.00**
	Basic Rate	84.00							
	Add Area Weightage 8%	6.72							
	Total	**90.72**							
2	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. Specification No. KRBS 500-1 MORTH Chapter 5 **Page No. 175/ Item No. 21.2/ PWD SR 2013-14**	**Sqm**							
	1st cross		1	130.00	6.00		780.0		
	2nd cross		1	100.00	6.00		600.0		
	3rd cross		1	100.00	6.00		600.0		

	4th cross		1	165.00	6.00		990.0		
	Cross roads		1	200.00	6.00		1200.0		
	Basic Rate	2.40					**4170.0**	**2.59**	**10800.00**
	Area Weightage 8%	0.19							
	Total	**2.59**							
3	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications.MORTH Specification No. 406 **Page No. 170/ Item No. 20.18/ PWD SR 2013-14**	**Cum**							
	1st cross		2	6.00	0.60	0.25	1.80		
	2nd cross		2	6.00	0.60	0.25	1.80		
	3rd cross		3	5.50	0.60	0.25	2.48		
	4th cross		4	5.50	0.60	0.25	3.30		
	Cross roads		4	5.50	0.60	0.25	3.30		
			6	5.50	0.60	0.25	4.95		
							17.38	**1121.04**	**19484.00**
	Basic Rate	1038.00							
	Area Weightage 8%	83.04							
	Total	**1121.04**							
4	KSRRB M500-15: Providing, laying and rolling with vibratory roller of built-up spray grout layer over prepared base consisting of a two layer composite construction of compacted crushed coarse aggregates using motor grader for aggregates. Key stone chips spreader may be used with application of bituminous binder after each layer, and with key aggregates placed on top of the second layer to serve as a base confirming to the line, grades and cross-section specified, the compacted layer thickness being 75mm Complete as per specifications. MORTH specification No. 506 **Page No.177/ Item No. 21.16/ PWD SR 2013-14**	**Sqm**							
	1st cross		1	30.00	5.60		164.00		
	2nd cross		1	30.00	5.60		168.00		
	3rd cross		1	17.00	5.00		85.00		
						Total	**417.00**	**268.92**	**112140.00**
	Basic Rate	249.00							
	Area Weightage 8%	19.92							
	Total	**268.92**							

5	KSRRB 500-7: Providing and applying tack coat on the prepared black topped surfaces at 5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all Materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 **Page No. 176/ Item No. 21.8/ PWD SR 2013-14**	**Sqm**							
	1st cross		1	130.00	6.00		780.00		
	2nd cross		1	100.00	6.00		600.00		
	3rd cross		1	100.00	6.00		600.00		
	#REF!		1	165.00	6.00		990.00		
	#REF!		1	200.00	6.00		1200.00		
	Basic Rate	20.10					**4170.00**	**21.71**	**90531.00**
	Area Weightage 8%	1.61							
	Total	**21.71**							
6	KSRRB M500-17: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen using 40-60 HMP using Mechanical paver **Page No. 178/ Item No. 21.20.5/ PWD SR 2013-14**	**Cum**							
	Profile Correction (UGD Cutting)								
	1st Cross		1	119.00	2.40	0.025	7.14		
	2nd cross		1	94.00	2.40	0.025	5.64		
	3rd cross		1	92.00	2.40	0.025	5.52		
	4th Cross		1	90.00	2.40	0.025	5.40		
	5th Cross		1	144.00	2.40	0.025	8.64		
	Cross Road		1	88.00	2.40	0.025	5.28		
	Asphalting for Full road Width								
	1st Cross		1	119.00	5.60	0.025	16.66		
	2nd cross		1	94.00	5.70	0.025	13.40		
	3rd cross		1	92.00	5.80	0.025	13.34		
	4th Cross		1	90.00	5.80	0.025	13.05		
	5th Cross		1	144.00	4.30	0.025	15.48		
	Cross Road		1	88.00	5.50	0.025	12.10		
	Basic Rate	9069.00					**121.63**	**9794.52**	**1191258.0**
	Area Weightage 8%	725.52							

	Total	**9794.52**							
7	Carriage of Mixed Materials Page No. 186 Note PWD SR 2013-14			**Qty item no.6**			121.63	52.11	**6338.00**
	1st to2ndKM	5.75							
	2nd-5th KM	16.50							
	5th -10th KM	26.00							
		48.25							
	Area Weightage 8%	3.86							
	Total	**52.11**							
8	KSRRB M800-13. Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and lying of hot applied Thermoplastic Compound 2.5mm thick including Reflectrising Glass Beads at 250 gms per Sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803. Page No. 197/ Item No. 24.15/ S.R 2013-14								
	~~Profile Correction (UCD Cutting)~~ 1st Cross Road		2	119.00	0.10		23.80		
	2nd cross		2	98.00	0.10		19.60		
	3rd cross		2	95.00	0.10		19.00		
	4th Cross		2	100.00	0.10		20.00		
	5th Cross		2	144.00	0.10		28.80		
			3	92.00	0.10		27.60		
							139.00	471.96	**65602.00**
	Basic Rate	437.00							
	Area Weightage 8%	34.96							
	Total	**471.96**							
9	Providing & fixing pre cast solid concrete Kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete of size 450x20x400 mm Page No. 28/ Item NO. 5.29/1, PWD SR 2013-14	**No**							
	270/.45=		2	602.00			1204.00	**316.44**	**380994.00**
	Basic Rate	293.00							
	Area Weightage 8%	23.44							
	Total	**316.44**							
10	KSRB 15.20.1 : Providing and applying floor painting with ready mix two coats (Excluding priming coat) on new s concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 131/ Item No. 15.83 / PWD SR 2013-14**	**Sqm**							
			2	602.00		0.65	782.6	**44.28**	**34654.00**
	Basic Rate	41.00							
	Area Weightage 8%	3.28							
	Total	**44.28**							

11	Disposal of debris to the final place of disposal with ... lead and lift and as direction by the engin... in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 150 Item No. 17.1 PWD SR 2013-14**	Cum							
			Qty Vide Item No. 1				**458.70**	78.24	**35886.00**
	2 x 1.28 x 4 Kmtrs	10.24							
		62.20							
	Basic Rate	**72.44**							
	Add Area Weightage 8%	5.80							
	Total	**78.24**							**706.00**
12	Miscellaneous and UnforessenCharges							**Total**	1990000.00

(Rupees. Nineteen Lakhs Ninty Thousand Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2013-14
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-15

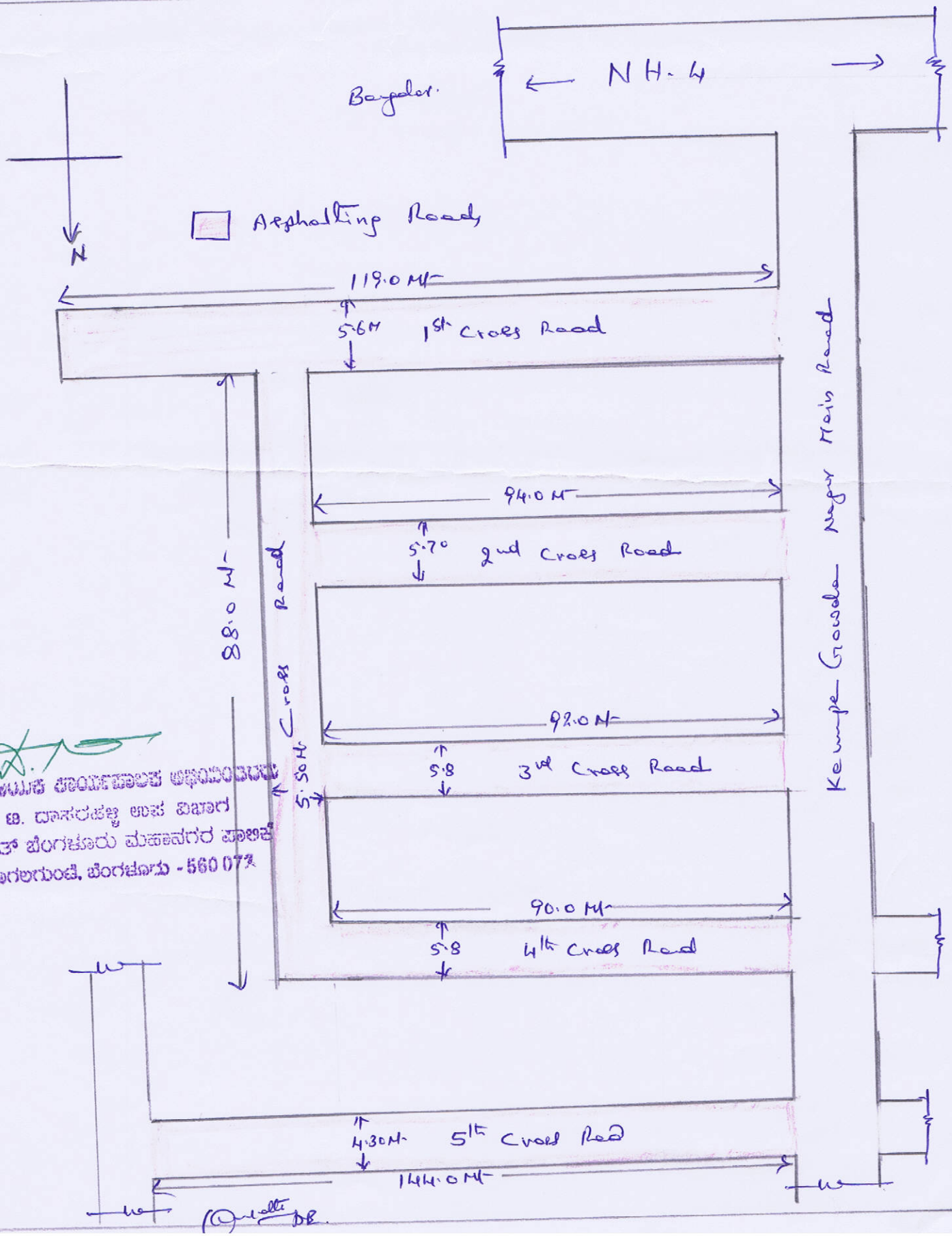
Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ನಂ. JCD(H)/AS/287/13-14 ದಿನಾಂಕ 30-10-2013
ರೂ. 19.90. Lakhs
Nineteen Lakh Nighty - thousand only
P.No. 243
S.No. 287

ನಂ. EE/DD/TS/203/13.14 ದಿನಾಂಕ: 30/10/13
ರೂ. 19.90 Lakh.
Nineteen Lakh Ninty Thousand only
P. No. - 38
S. No - 203

Name of work:- Improvements and Asphalting to Road Kempegowda Nagar 1st, 2nd 3rd 4th And 5th Cross Road in Dasarahalli Ward No. 15



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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು - 560 073